where the outer resin material is received to help the outer resin material be thrown in smoothly.

In the Claims

Applicant presents the claims as amended below and encloses a set of marked-up claims with bracketing denoting deletions and underlining denoting additions.

Please amend the claims as follows:

20. (Twice Amended) A mixing device for manufacturing mouldings comprising a main cylinder connected to a metal mold for forming moldings, a main screw rotated in said main cylinder for mixing resin material and delivering the same to said metal mold, a main throw-in machine connected to said main cylinder at a start end part thereof for throwing inner resin material, which forms an inner part of said molding, into said main cylinder, a sub-throw-in machine connected to said main cylinder at a part between said metal mold and said main throw in machine for throwing outer resin material, which forms an outer part of said molding, into said main cylinder, an outer resin material holding part for holding said outer resin material, a sub-throw-in hole for delivering said outer resin material to said main cylinder, and a receiving hole positioned, in said main cylinder, between said metal mold and said main-throw-in-machine;

characterized in that a rotating direction side of said main screw in a cylinder inner wall of said receiving hole of said main cylinder is formed in such a manner as to expand said receiving hole.

22. (Amended) The mixing device for manufacturing moldings as claimed in claim 20, wherein said receiving hole is a vent hole previously provided in said mixing device for extrusion molding.

24. (Twice Amended) The mixing device for manufacturing moldings as claimed in claim 20, wherein said sub-throw-in machine includes a sub-screw rotated in a

sub-cylinder for mixing outer resin material held in said sub-cylinder and delivering the same.

27. (Amended) The mixing device for manufacturing mouldings as claimed in claim 20, wherein there are plural receiving holes of said main cylinder in a direction of extrusion.

28. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 22, wherein there are plural receiving holes of said main cylinder in a direction of extrusion.

29. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 24, wherein there are plural receiving holes of said main cylinder in a direction of extrusion.

30. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 20, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

31. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 22, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

32. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 24, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

33. (Twice Amended) The mixing device for manufacturing mouldings as claimed in claim 27, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

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34. (Amended) The mixing device for manufacturing mouldings as claimed in claim 28, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

35. (Amended) The mixing device for manufacturing mouldings as claimed in claim 29, wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

Please add the following new claims:

36. (New) A mixing device for manufacturing mouldings comprising a main cylinder connected to a metal mold for forming moldings, a main screw rotated in said main cylinder for mixing resin material and delivering the same to said metal mold, a main throw-in machine connected to said main cylinder at a start end part thereof for throwing inner resin material, which forms an inner part of said molding, into said main cylinder, a sub-throw-in machine connected to said main cylinder at a part between said metal mold and said main throw in machine for throwing outer resin material, which forms an outer part of said molding, into said main cylinder, an outer resin material holding part for holding said outer resin material, a sub-throw-in hole for delivering said outer resin material to said main cylinder, and a receiving hole positioned, in said main cylinder, between said metal mold and said main-throw-in-machine;

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characterized in that a rotating direction side of said main screw in a cylinder inner wall of said receiving hole of said main cylinder is formed in such a manner as to expand said receiving hole; and

wherein said main screw has a small diameter part, a diameter of which is made smaller than that of other parts of said main screw, adjacent to the expansion of said receiving hole.

37. (New) The mixing device for manufacturing moldings as claimed in claim 36, wherein said receiving hole is a vent hole previously provided in said mixing device for extrusion molding.

38. (New) The mixing device for manufacturing mouldings as claimed in claim 37, wherein there are plural receiving holes of said main cylinder in a direction of extrusion.

39. (New) The mixing device for manufacturing moldings as claimed in claim 36, wherein said sub-throw-in machine includes a sub-screw rotated in a sub-cylinder for mixing outer resin material held in said sub-cylinder and delivering the same.

40. (New) The mixing device for manufacturing mouldings as claimed in claim 39, wherein there are plural receiving holes of said main cylinder in a direction of extrusion.

Remarks

Upon entry of this amendment, claims 20, 22, 24, and 27-40 are pending in this application. Claims 20, 22, 24, and 27-35 have been amended by this response. New claims 36-40 have been added. Claims 20, 22, 24, and 27-40 remain for examination, of which claims 20 and 36 are independent.

A. General Objections

As requested, the title has been amended to reflect the elected invention and an abstract has been added, a copy of which is enclosed on a separate sheet. Also as requested, the disclosure has been amended to remove references to the claims. In addition, the reference numbers have been removed from the claims.